

CCR #96-0296B ECS RTM changes based on
GSFC CCR #505-01-41-064
Title: Eliminate DAR requirements for SDPS

RBR Change Table

RBR paragraph_id	req_key	text
EOSD1720#B	3874	ECS elements shall receive from the ECS user community the following types of data requests at a minimum: a. Data Acquisition Requests <u>for the ASTER Instrument</u> b. Data Distribution Requests c. Reprocessing Requests
EOSD3950#B	3919	The SDPS function of <u>ASTER Instrument</u> Data Acquisition Request (DAR) Submittal including TOOs shall have an operational availability of 0.993 at a minimum (.999999 design goal) and an MDT of two (2) hours or less (6 minutes design goal).
EOSD3950#A	5127	The SDPS function of <u>ASTER Instrument</u> Data Acquisition Request (DAR) Submittal including TOOs shall have an operational availability of 0.993 at a minimum (.999999 design goal) and an MDT of two (2) hours or less (6 minutes design goal).
IMS-1110#B	5302	The IMS shall provide the capability to receive a product request from the user and determine the instrument(s) required for the data acquisition.
IMS-1120#B	5303	IMS shall provide the capability to receive a geophysical parameter specification from the user and determine the instrument(s) required for the data acquisition.
IMS-1130#B	5305	The IMS shall provide descriptive information on instruments and parameters available in Standard Products to help with the creation of data acquisition requests <u>for the ASTER.</u>
IMS-1140#B	5307	The IMS shall provide ASTER instrument specific graphic displays to help with the creation of data acquisition requests, which shall include at a minimum: a. Geographic reference aids b. Spacecraft location projections
IMS-1190#B	5315	The IMS shall validate DAR parameters against EOC and ICC provided constraints.
IMS-1200#B	5318	The IMS shall forward DARs for specific observational sequences generated by an authorized user to the ICC.
IMS-1262#B	5330	The IMS shall provide the capability to <u>request and receive</u> the ASTER GDS data acquisition request status in accordance with applicable IRDs and ICDs and provide the status to the data acquisition requester.

CCR #96-0296B ECS RTM changes based on
GSFC CCR #505-01-41-064
Title: Eliminate DAR requirements for SDPS

RBR Change Table

IMS-1070#B	5291	<p>The IMS shall provide the capability for users to construct DARS for collection of EOS <u>ASTER Instrument</u> data which shall contain the following information at a minimum:</p> <ul style="list-style-type: none"> a. Observation number b. Experimenter identification c. Experimenter address d. Investigation identification e. Scientific discipline f. Observation repetition period g. Tolerance in observation time h. User priority i. Scheduling priority and target of opportunity flag j. Descriptive text k. Location data expressed in terms of longitude and latitude as earliest start coordinates and latest stop coordinates l. Earliest start time m. Latest stop time n. Minimum coverage required o. Maximum coverage desired p. Number of instruments involved in the investigation q. Which instruments are involved in the investigation
IMS-1090#B	5297	<p>The IMS shall accept requests for changes to existing <u>ASTER</u> DARs from the requester and forward the changes to the ICC. <u>ASTER GDS</u>.</p>
IMS-1230#B	5321	<p>The IMS shall accept from the <u>ASTER GDS</u> ICC and provide to the requester such information as data acquisition request confirmation or rejection, and notification of data acquisition request scheduling and completion, to include at a minimum:</p> <ul style="list-style-type: none"> a. Date and time b. Instrument ID c. Data acquisition request ID d. Request status e. Implementation schedule f. If rejection, then the reason for the rejection

CCR #96-0296B ECS RTM changes based on
GSFC CCR #505-01-41-064
Title: Eliminate DAR requirements for SDPS

RBR Change Table

IMS-1260#B	5325	The IMS shall <u>be expandable to</u> provide the capability to receive, from the IP Information Management System or an equivalent IP facility, data acquisition request status in accordance with applicable MOUs and provide the status to the data acquisition requester.
IMS-1320#B	5338	The IMS shall provide the capability to accept, from <u>ASTER instrument</u> data acquisition requesters, data acquisition status requests, retrieve the request status, and display the status to the requester.
ASTER-0110#B		<p>ECS shall have the capability to send and ASTER GDS shall have the capability to receive DARs for the ASTER instrument. DARs shall contain the following information, at a minimum:</p> <ul style="list-style-type: none"> a. Observation number b. Experimenter identification c. Experimenter address d. Investigation identification e. Scientific discipline f. Observation repetition period g. Tolerance in observation time h. User priority i. Scheduling priority and target of opportunity flag j. Descriptive text k. Location data expressed in terms of longitude and latitude as earliest start coordinates and latest stop coordinates l. Earliest start time m. Latest stop time n. Minimum coverage required o. Maximum coverage desired p. Number of instruments involved in the investigation q. Which instruments are involved in the investigation r. Associated product generation request and product distribution request s. Pointing angle t. Calibration requirements u. Coordination requirements v. Data transmission requirements w. Illumination requirements (day/night) x. Specific time of observation y. Sun angle z. Direct downlink option